

### BUREAU OF PUBLIC WATER SUPPLY

### CALENDAR YEAR 2008 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM

CITY OF CORINTH CAS I WATER DOOT
Public Water Supply Name

O2002

List PWS ID #s for all Water Systems Covered by this CCR

The Federal Safe Drinking Water Act requires each *community* public water system to develop and distribute a consumer confidence report (CCR) to its customers each year. Depending on the population served by the public water system, this CCR must be mailed to the customers, published in a newspaper of local circulation, or provided to the customers upon request.

| Please Answer the | Following ( | Ouestions | Regarding th | he Consumer | Confidence | Report |
|-------------------|-------------|-----------|--------------|-------------|------------|--------|

|      | Customers were informed of availability of CCR by: (Attach copy of publication, water bill or other) |
|------|--|
|      | Advertisement in local paper On water bills Other Adv. ON LOCAL TV                                   |
|      | Date customers were informed: 6/14/09-6-28-09  |
|      | CCR was distributed by mail or other direct delivery. Specify other direct delivery methods:         |
|      | Date Mailed/Distributed: 8 /2509   |
|      | CCR was published in local newspaper. (Attach copy of published CCR or proof of publication)         |
|      | Name of Newspaper: Daily Cozinthian  |
|      | Date Published: 6/17-20-24/09  |
|      | Date Posted: 5/19/09  North EAST MS REGIONAL CHORACY  North EAST MS REGIONAL CHORACY                 |
|      | Date Posted: 5/19/09 Northeast Ms Regional Months  |
|      | CCR was posted on a publicly accessible internet site at the address: www. CORINTUGAS AND WATER COW  |
| ~~~~ |  |

### **CERTIFICATION**

I hereby certify that a consumer confidence report (CCR) has been distributed to the customers of this public water system in the form and manner identified above. I further certify that the information included in this CCR is true and correct and is consistent with the water quality monitoring data provided to the public water system officials by the Mississippi State Department of Health, Bureau of Public Water Supply.

Name/Title (President, Mayor, Owner, etc.)

6-17-2009 Date

Mail Completed Form to: Bureau of Public Water Supply/P.O. Box 1700/Jackson, MS 39215 Phone: 601-576-7518

# Contract Data Form - Summary

| EDI INF     | EDI INFORMATION   |                      | AE, CLIENT, A                 | AE, CLIENT, AGENCY, REP FIRM |          |         | BILLING INFORMATION  | ORMATION |              | TIM#                | 25098      |
|-------------|---|----------------------|-------------------------------|------------------------------|----------|---------|--|----------|--------------|---------------------|------------|
| Client      |   | AE                   | (MS) AMBER WE                 | (MS) AMBER WESTMORELAND      | None     | Address | P.O. BOX 1870  |          |              |                     |            |
| Product     |   | Client               | CORINTH GAS AND WATER-CO      | IND WATER-CO                 |          |         | CORINTH, NS 38835  |          |              | Contract Start      | 06/15/2009 |
| Estimate    |   | Agency               | <none></none>                 |                              | %<br>%   | Contact | Neal Byrd  | Phone    | 662-286-2263 | Contract End        | 06/28/2009 |
| Order       |   | Rep Firm             |                               |                              |          | Notes   | The state of the s |          |              | TOTALS FOR CONTRACT | CONTRACT   |
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| Summary by  | Summary by broadcast month for the following schedules: | for the follow i     | ng schedules:                 |                              |          |         |  |          |              | Gross Amt           | \$500.00   |
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|             |   |                      |                               |                              |          |         |  |          |              | Rep Comm            | \$0.00     |
|             |   |                      |                               |                              |          |         |  |          |              | Net Amt             | \$500.00   |
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| Grs \$      | \$500   |                      |                               |                              |          |         |  |          |              |                     | \$500      |
| Net \$      | \$500   |                      |                               |                              |          |         |  |          |              |                     | \$500      |
|             |   | ACCEPTED E           | ACCEPTED BY AGENCY/ADVERTISER | ЕКТВЕЙ                       |          | B       | DATE 64.09   | MGR:     |              |                     | ,          |

FINANCE

RECEIVED-WATER SUPPLY
2009 JUL -9 AM 8: 52

Hey Joan,

Attached is a copy of the proof of publication for our CCR,

Thanks David CITY OF CORINTH GAS & WATER DEPT. P.O. BOX 1870 CORINTH, MS 38835-1870

JA 020002

### 0020002

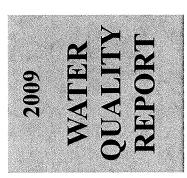
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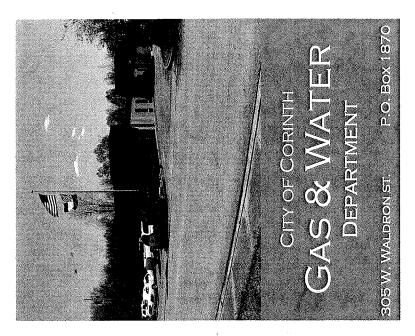
### 2009 JUL -9 AM 8: 52

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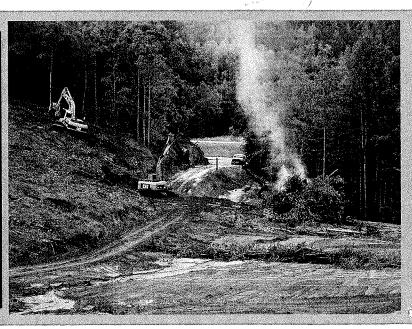


PRST STD US POSTAGE PAID CORINTH, MS. PERMIT #221 Corinth Gas and Water Department P.O. Box 1870 Corinth, MS 38835



### SURFACE WATER TREATMENT PLANT

Contractors are currently working on the site of our Surface Water Treatment Plant. This phase is the preliminary site preparation, it includes getting the property to required grade elevations, constructing preliminary roads and installing site drainage.





### SOURCE WATER ASSESSMENT

tibility of their wells to contamination. Wells with high ranking have a higher chance of becoming contaminated than the average public water well in Mississippi, but they should system is available for viewing at our office during business hours. around wells change with time. A copy of the Source Water Assessment for Corinth's water wells "high". These rankings are used to notify systems in Mississippi of the relative suscepdetermined the rankings of our wells as follows: 3 wells "low", 7 wells "moderate", and 2 ing the susceptibility of the potable water supply to contamination (i.e. spills, floods, etc.). ter  $\underline{A}$ ssessment Programs designed to notify public water systems and their customers regardmodification as conditions associated with wells and potential contaminant sources located The final susceptibility ranking represents a "snap shot" in time, and thus, are subject to chance of becoming contaminated; these wells serve as the norm or standard for comparison. operating in the state. A moderate susceptibility ranking signifies wells that have an average from contamination events; however, such wells are less susceptible than the average well not be considered as unsafe sources of drinking water. Likewise, it should not be construed The Mississippi Department of Environmental Quality has completed our SWA. MDEQ has The Safe Drinking Water Act (1996) mandates states to develop and implement Source Wa that those public water system wells with low susceptibility rankings are totally immune

### TABLE OF DEFINITIONS

AL (Action Level): The concentration of a contaminant which, if exceeded, triggers a treatment of other requirements which a water system must follow.

MCL (Maximum Contaminant Level): The highest level of a contaminant that is allowed in drinking water. Primary MCL's are set as close to the MCLG's as is economically and technologically feasible.

MCLG (Maximum Contaminant Level Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's are set by the U. S. Environmental Protection Agency.

MRDL (Maximum Residual Disinfectant Level): The level of a disinfectant added for water treatment that may not be exceeded at the consumers tap.

MRDLG (Maximum Residual Disinfectant Level Goal): The level of a disinfectant added for water treatment below which there is no known or expected risk to health. MRDL's are set by the U. S. Environmental Protection Agency.

NA: Not applicable

ND: Not detected.

**ppb** (parts per billion): One part substance per billion parts of water, or Ug/l micrograms per liter.

**ppm (parts per million):** One part substance per million parts water, or mg/l milligrams per liter.

PDWS (Primary Drinking Water Standards): MCL's and MRDL's for contaminants that affect health along with the requirements for monitoring, reporting and treatment

# THE HISTORY OF THE CORINTH WATERWORKS COMPANY

John W. Taylor established the first waterworks system and called the firm the Corinth Waterworks Company. Taylor came to Corinth in 1887. He first worked with his father, A.H. Taylor, in the Tishomingo Savings Institution. Later J. W. Taylor was connected with many civic improvements and industrial developments in our area.

In 1897 Corinthians were very interested in whether water and electric utilities should be publicly or privately owned. The question was publicly debated in the brick courthouse which preceded the present courthouse building. Paul Jones was a member of the debating team in favor of private ownership. His team lost. Benjamin Warriner was on the winning side which favored public ownership.

On October 15, 1904, the City of Corinth bought the plant of the Corinth Waterworks Company and the land occupied by its pumping station for \$57,700. In the bond election, which was held on October sixth of that year, 295 voted for the proposition and 23 against.

Wesley Rankin was working as a typesetter for the "Corinthian" at the time of the bond election. He remembered great public interest in the event. In 1904 there were 207 service connections. Twenty-seven of these were metered. There were 92 fire hydrants.

John Bell was the first superintendent of the waterworks when it came under city ownership. Blueprints for location of the pipes were not available. To say that Bell had some difficulties as a result is an understatement.

In 1927 the water plant and the electric generating plant occupied the same steam plant. In September of that year both systems were sold to the Mississippi Power Company.

Two years later the Mississippi Power Company sold the waterworks to the Peoples Water Service Company of Maryland. That company owned the system until it was sold to the City of Corinth in 1953 and became a public utility. It has continued as a public utility ever since.

CALL BEFORE YOU DIG
YOU CAN SUBMIT A REQUEST ON LINE @
WWW.MS1CALL.ORG
OR
YOU CAN CALL 811 TO SUBMIT A REQUEST

## TREATED WATER QUALITY SUMMARY

The table below lists all of the drinking water contaminants that we detected during the 2008 calendar year. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. Except as indicated, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

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### INORGANIC CONTAMINANTS

| Erosion of natural deposits runoff from fertilizer use           | 2008 |                               | <0.02 mg/l                             | 1 mg/l               | 1 mg/l      | NITRITE   |
|--|------|-------------------------------|--|----------------------|-------------|-----------|
| Erosion of natural deposits runoff from fertilizer use           | 2008 |                               | <0.08 mg/l                             | 10 mg/l              | 10 mg/l     | NITRATE   |
| Customer plumbing and service connection                         | 2007 | .0195 mg/l8818 mg/l           |  | 1.3 mg/l             | AL=1.3 mg/l | COPPER+   |
| Customer plumbing and service connection                         | 2007 | ND - 5.5 ppb                  |  | 0 ppb                | AL=15 ppb   | LEAD+     |
| Discharge from electronics, glass, and drug factories            | 2008 |                               | <0.0005 mg/l                           | .002 mg/l .0005 mg/l | .002 mg/l   | THALLIUM  |
| Erosion of natural deposits                                      | 2008 | 0.0005 mg/l0 001748 mg/l      |  | 0.050 mg/l           | 0.050 mg/l  | SELENIUM  |
| Erosion of natural deposits                                      | 2008 |                               | 0.002 mg/l   0.002 mg/l   <0.0002 mg/l | 0.002 mg/l           | 0.002 mg/l  | MERCURY   |
| Additive that promotes strong teeth, Erosion of natural deposits | 2008 | .64 mg/l - 1.25 mg/l          |  | 4.0 mg/l             | 4.0 mg/l    | FLOURIDE  |
| Discharge from plastics and fertilizer factories                 | 2008 |                               | 0.200 mg/l   0.200 mg/l   <0.005 mg/l  | 0.200 mg/l           | 0.200 mg/l  | CYANIDE   |
| Erosion of natural deposits                                      | 2008 |                               | 0.100 mg/l   0.100 mg/l   <0.0005 mg/l | 0.100 mg/l           | 0.100 mg/l  | CHROMIUM  |
| Corrosion of galvanized pipes, Erosion of natural deposits       | 2008 |                               | 0.005 mg/l   0.005 mg/l   <0.0001mg/l  | 0.005 mg/l           | 0.005 mg/l  | CADMIUM   |
| Discharge from metal refineries and coal-burning factories       | 2008 |                               | 0.004 mg/l   0.004 mg/l   <0.0001 mg/l | 0.004 mg/l           | 0.004 mg/l  | BERYLLIUM |
| Erosion of natural deposits                                      | 2008 | 0.127244 mg/l - 0.306878 mg/l |  | 2 mg/l               | 2 mg/l      | BARIUM    |
| Erosion of natural deposits, Runoff from orchards                | 2008 |                               | <0.0005 mg/l                           | NA                   | 0.050 mg/l  | ARSENIC   |
| Discharge from petroleum refineries, fire retardants             | 2008 |                               | <0.0005 mg/l                           | .006 mg/l            | .006 mg/l   | ANTIMONY  |
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## **VOLATILE ORGANIC CONTAMINANTS**

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### ADDITIONAL CONTAMINANTS

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| IRON ++* | .3 ma/l    | 8          | .10 mg/l -0.41 mg/l     | 2008                                     | Erosion of natural deposits |
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|          | 1 positive | 1 positive | 0 Positive              | 2008                                     |                             |
|          |            |            |                         |  |                             |

<sup>\*</sup> Tests are required annually ++Test results before treatment process

<sup>+</sup> Test required every 3 years

### ADDITIONAL INFORMATION FOR LEAD

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## A MESSAGE FROM MSDH CONERNING RADIOLOGICAL SAMPLING

In accordance with the Radiological Rule, all community public water supplies were required to sample quarterly for radionuclides beginning January 2007. Corinth Gas and Water completed sampling by the scheduled deadline; however, during an audit of the Mississippi State Department of Health Laboratory, the Environmental Protection Agency (EPA) suspended analyses and reporting of radiological compliance samples until further notice.

Although this was not the result of inaction by Corinth Gas and Water, MSDH was required to issue a violation. The bureau of Public Water Supply is taking action to resolve this issue as quickly as possible. If you have any questions, please contact Melissa Parker, Deputy Director, Bureau of public Water Supply at 601-546-7518.

## WATER SOURCE AND SUBSTANCES

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. Corinth Gas & Water operates 12 wells which draw from the Paleozoic Aquifer.

An aquifer is an underground bed or layer of earth, gravel or porous stone that yields water. As water travels through the ground it dissolves naturally occurring minerals and radioactive material and can be polluted by animal or human activity.

Contaminants that may be present in untreated (source) water are classified as microbial, inorganic, organic chemical, pesticides and radioactive material. In order to ensure that water is safe to drink, the EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the U.S. Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

### SPECIAL INFORMATION

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons include people with cancer undergoing chemotherapy, persons who have undergone organ transplants and persons having HIV/AIDS or other immune system disorders. Some elderly and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The Environmental Protection Agency and the Disease Control guidelines on appropriate means to lessen the risk of infection by *Cryptospordium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

Cryptosporidium is a microscopic organism found in animal waste and not normally found in underground water systems. Cryptro has never been found in the Corinth Water System. If it were found it could be eliminated by an effective treatment.

### CONTINUING OUR COMMITMENT

Corinth Gas & Water Department's number one priority is providing all our customers with a safe and reliable supply of drinking water. Our employees are working each day to ensure that the water delivered to you meets all regulatory requirements and your expectations for safety, reliability and quality.

All the information in this Annual Water Quality Report has been prepared in accordance with the standards established by the Environmental Protection Agency (EPA) and includes details about where your water comes from, what it contains and how it compares to standards set by the regulatory agencies.

We are proud to report that the water provided to you by The Corinth Gas & Water Department meets or exceeds all federal and state requirements for quality and safety.

### SYSTEM IMPROVEMENTS 2009 – 10

- 1. Preliminary site work in progress on the Surface Water Treatment Plant.
- 2. Water line improvements on Borroum Circle.
- 3. Spring Valley Subdivision fire protection improvements.
- 4. Surface Water Treatment Plant construction late 2009

## DO YOU WANT MORE INFORMATION?

If you are interested in learning more about the Corinth Gas and Water Department, or if you have any questions concerning water quality, our office is located at 305 West Waldron Street and our office hours are from 8:00 AM to 5:00 PM, Monday through Friday. You can also call us at (662) 286-2263. Our contact person is David Bass. The Corinth Gas and Water Department Board of Commissioners meets at 7:00 PM on the second Monday of each month at the address above. Board meetings are open to the public.

### **PUBLIC NOTICE**

With the passage of the 1996 Safe Drinking Water Act amendments, the US Environmental Protection Agency requires each community water system to provide their customers a "Water Quality Report" once a year.

Water customers of the Corinth Gas & Water System should receive their report by July 1, 2009. During the weeks of June 15, 2009 and June 22, 2009 watch CNN, TNT, and USA channels for more information.

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*Cryptosporidium* is a microscopic organism found in animal waste and not normally found in underground water systems. **Cryptro has never been found in the Corinth Water System.** If it were found it could be eliminated by an effective treatment combination including filtration, sedimentation and disinfection.

### TREATED WATER QUALITY SUMMARY

The table below lists all of the drinking water contaminants that we detected during the 2008 calendar year. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. Except as indicated the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

| CONTAMINANT | MCL         | MCLG       | LEVEL<br>DETECTED | RANGE<br>DETECTED            | SAMPLE<br>DATE | TYPICAL<br>SOURCE   |
|-------------|-------------|------------|-------------------|------------------------------|----------------|---|
|             |             |            | INOR              | GANIC CONTAMINA              | STF            |   |
| ANTHIONY    | .008 mg/l   | .008 mg/t  | <0.0005 mg/l      |                              | 2008           | Discharge from petroleum refinerles, fire retardants            |
| ARSENIC     | 0.050 mg/l  | NA.        | <0.0006 mg/l      |                              | 2008           | Erosion of natural deposits, Runoff from orchards               |
| Barkm       | 2 mg/l      | 2 mg/l     |                   | 0.127244 mg/l -0.306878 mg/l | 2008           | Erosion of natural deposits                                     |
| BERYLLRAM   | 0.004 mg/l  | 0.004 mg/l | <0.0001 mg/l      |                              | 2008           | Discharge from metal refineries and coal-burning factories      |
| CADMIUNA    | 0.005 mg/l  | 0.005 mg/l | <0.0001 mg/i      |                              | 2008           | Corresion of galvanized pipes, Erosion of natural deposits      |
| CHROMIUM    | 0.100 mg/f  | 0.100 mg/l | <0.0005 mg/l      |                              | 2008           | Erosion of natural deposits                                     |
| CYANIDE     | 0.200 mg/l  | 0.200 mg/l | <0.005.mg/l       |                              | 2008           | Discharge from plastics and fertilizer factories                |
| FLOURIDE    | 4.0 mg/l    | 4,0 mg/i   |                   | .64 mg/l - 1,25 mg/l         | 2006           | Additive that promotes strong teeth, Erosion of natural deposi- |
| MERCURY     | 0.002 mg/l  | 0.002 mg/l | <0.0002 mg/l      |                              | 2008           | Erosion of natural deposits                                     |
| SELENIUM    | 0.050 mg/f  | 0.050 mg/l |                   | 0.0005 mg/l0 001748 mg/l     | 2008           | Erosion of natural deposits                                     |
| UHALLINA    | .002 mg/l   | .0005 mg/i | <0.0005 mg/l      |                              | 2008           | Discharge from electronics, glass, and drug factories           |
| EAD+        | AL=15 ppb   | Oppo       |                   | ND - 5.5 ppb                 | 2007           | Customer plumbing and service connections                       |
| COPPER+     | AL≈1,3 mg/l | 1:3 mg/l   |                   | .0195 + .8818 mg/l           | 2007           | Customer plumbing and service connections                       |
| WITRATE     | Nome        | 10 mg/l    | <0.08 mg/l        |                              | 2008           | Erosion of natural deposits and runoff from fertilizer use      |
| WIRITE      | 1 mg/l      | 1 mg/l     | <0.02 mg/l        | 199                          | 2008           | Erosion of natural deposits and runoff from fertilizer use      |
|             |             | 1          | <b>VOLATILE</b>   | ORGANIC CONTAMI              | NANTS          |   |
| CHLORINE    | 4 mg/l      | 4 mg/l     |                   | 0.84 mg/l - 1.69 mg/M        | 2008           | Water additive to control microbes                              |

NALOACETIC ACID

RON ++\* .3 mg/l .05 mg/l Erosion of natural deposits 2006 COLOFORM " Test are required annually

++Test results before treat

+ Test required every 3 years

DEFINITIONS

MCL (Maximum Contaminant Level): The highest level of a contaminant that is allowed in drinking water.

MCLG (Maximum Contaminant Level Goal): The level of a contaminant in drinking water below which there is no known or expected

nsk to neatin.

pply (parts per billion): One part substance per billion parts of water. Or Ug/l micrograms per liter.

Mg/l (milligrams per liter): One milligram of substance per liter of water.

AL (Action Level) the concentration level which triggers treatment or other requirements which a system must follow

The results listed show on detection at or below the MCL for the VOC contaminants identified and therefore do not present a risk to

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